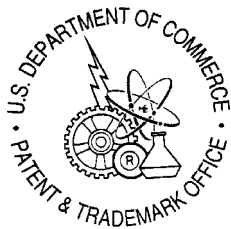


# STATUTORY INVENTION REGISTRATIONS

AND

## DEFENSIVE PUBLICATIONS

JANUARY 1977 -- DECEMBER 1996



April 1997  
U.S. PATENT AND TRADEMARK OFFICE  
OFFICE OF ELECTRONIC INFORMATION PRODUCTS / TAF PROGRAM  
PK3 - SUITE 441, WASHINGTON, DC 20231  
TEL (703) 306-2600/ FAX (703) 306-2737

*A TECHNOLOGY ASSESSMENT AND FORECAST REPORT*

## Statutory Invention Registrations and Defensive Publications Report 1/1977 - 12/1996 Explanation of Data

This Technology Assessment and Forecast (TAF) Program Report profiles patent activity for statutory invention registrations and defensive publications (hereafter referred to as patents) granted between 1977 and December 1996. The source of the data used for this report is the TAF data base maintained by the Office of Electronic Information Products.

### Data Distribution By Date of Grant and By Date of Application

#### **Parts A1 and A2**

Part A1 distributes patent GRANT data by year of patent grant ("Patents Granted By Date of Patent Grant"). Part A2 distributes grant data by the year in which the patented application was filed ("Patents Granted By Date of Patent Application"). Parts A1 and A2 each provide patent counts (pages A1-1 and A2-1) and percent distributions (pages A1-2 and A2-2).

Patent data in the "Pre 1983" column corresponds to the period January 1, 1977 through December 31, 1982.

#### **Part B**

Part B of this report distributes patent GRANT data for organizations that have received U.S. patents since 1977. Data are presented by the year in which the patent was granted ("Patents By Year of Grant") and the year the patented application was filed ("Patents by Year of Application").

DATA FOR THOSE APPLICATIONS WHICH WERE FILED BUT NEVER ISSUED (ROUGHLY 40% OF TOTAL FILINGS) ARE NOT INCLUDED IN THIS REPORT.

Since the average time period between filing for a patent and the issuing of the patent (i.e., a patent's "pendency") is now about 21 months, the patented application data for the most recent years are incomplete.\* This is because a significant number of the applications filed in the most recent years, which will ultimately become patents, were still pending in December 1996. Since they had not yet become patents at the time this report was prepared, they were not included in this report.

Patented application data are of significant value since the date an application was filed more accurately reflects when the technology was developed. Additionally, fluctuations in data based on application date are much more likely to reflect changes in technological activity, since such fluctuations would for the most part be immune from changes in PTO processing such as occurred in 1986 when the PTO issued fewer patents than would normally have been expected due to a lack of funds to print patents. Note that a patent's "pendency" can be quite variable from one patent to another thereby affecting the date of patent grant. Such variation in pendency is determined by many factors, including PTO

workload (which varies between technologies), budget and manpower levels, patent printing schedules, etc.

### Parts of the Report

**Parts A1 and A2** present tables which show, by number and percent, the patent activity. Part A1 presents data by year of patent grant ("Patents Granted by Date of Patent Grant"). Part A2 redistributes grant data by year of patent application ("Patents Granted by Date of Patent Application"). The location of patent origin is determined by the residence of the first-named inventor at the time of grant.

Information on **patent ownership** reflects ownership at the time of patent grant and does not include subsequent changes in ownership. If more than one assignee was declared at the time of grant, the patent is attributed to the first-named assignee. The U.S. and Foreign Corporations ownership categories count predominantly corporate patents; however, patents assigned to other organizations such as small businesses, nonprofit organizations, universities, etc. are also included in this category. While U.S. Government patent ownership includes only patents granted to the Federal Government, no such distinction is made for Foreign Government patents.

**Part B** is a ranked listing of national and international organizations (i.e., corporations, universities, government agencies) which have received one or more U.S. statutory invention registrations and/or defensive publications since 1977. Data line 1 for each listed organization distributes counts of patent grants by year of grant. Data line 2 for each organization redistributes those same patent grants by year in which the patented application was filed. Information on patent ownership reflects ownership at the time of patent grant. Although a substantial effort has been made to combine name variations into a single organizational name, many organizations continue to have patents listed under more than one organizational name.

\* As of December 31, 1996, UTILITY patent application data (most issued patent documents are utility patents) were approximately 93% complete for patent applications filed in 1993, 80% complete for applications filed in 1994, and 30% complete for applications filed in 1995. They are essentially complete for applications filed prior to 1993. Currently, completion percentages restricted to statutory invention registrations and defensive publications are not available.

## Part A1

Patent Grants As Distributed By Year of Patent Grant

---- Patents Granted By Date Of Patent Grant (Granted: Jan 01, 1977 - Dec 31, 1996) ----

	NUMBER OF PATENTS															
	Pre 1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	Total
Total	411	34	31	29	179	213	167	157	143	144	117	144	117	121	109	2116
U.S. Origin	337	32	29	27	172	203	160	134	123	128	98	131	105	111	94	1884
Foreign Origin	74	2	2	2	7	10	7	23	20	16	19	13	12	10	15	232
JAPAN	9				7	6	5	16	16	14	13	12	9	7	12	126
UNITED KINGDOM	44	2				2	1	2	3	1			1			56
CANADA	3		1			1		3	1		1	1	1	1		13
GERMANY	7		1								2					10
NETHERLANDS	4					1		1			1				1	8
FRANCE	2										2		1	1		6
SWITZERLAND	2			1										1	1	5
INDIA				1						1					1	3
AUSTRALIA	2															2
ITALY							1	1								2
SWEDEN	1															1
Ownership:																
U.S. Corporations	145	1		3	37	28	31	30	21	24	25	36	34	35	40	490
U.S. Government	33			3	120	162	114	95	80	87	61	64	49	51	37	956
U.S. Individuals	168	31	29	21	15	17	16	14	24	19	13	31	24	25	19	466
Foreign Corporations	35			1	6	5	5	11	12	10	11	8	9	5	7	125
Foreign Government																0
Foreign Individuals	30	2	2	1	1	1	1	7	6	4	7	5	1	5	6	79

---- Patents Granted By Date Of Patent Grant (Granted: Jan 01, 1977 - Dec 31, 1996) ----

PERCENT OF PATENTS																
	Pre 1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	Total
Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
U.S. Origin	82	94	94	93	96	95	96	85	86	89	84	91	90	92	86	89
Foreign Origin	18	6	6	7	4	5	4	15	14	11	16	9	10	8	14	11
JAPAN	2				4	3	3	10	11	10	11	8	8	6	11	6
UNITED KINGDOM	11	6				1	1	1	2	1			1			3
CANADA	1		3					2	1		1	1	1	1		1
GERMANY	2		3								2					0
NETHERLANDS	1							1			1				1	0
FRANCE											2		1	1		0
SWITZERLAND				3										1	1	0
INDIA				3						1					1	0
AUSTRALIA																0
ITALY							1	1								0
SWEDEN																0
Ownership:																
U.S. Corporations	35	3		10	21	13	19	19	15	17	21	25	29	29	37	23
U.S. Government	8			10	67	76	68	61	56	60	52	44	42	42	34	45
U.S. Individuals	41	91	94	72	8	8	10	9	17	13	11	22	21	21	17	22
Foreign Corporations	9			3	3	2	3	7	8	7	9	6	8	4	6	6
Foreign Government																0
Foreign Individuals	7	6	6	3	1		1	4	4	3	6	3	1	4	6	4

## Part A2

### Patent Grants As Distributed By Year of Patent Application

---- Patents Granted By Date Of Patent Application (Granted: Jan 01, 1977 - Dec 31, 1996) ----

	NUMBER OF PATENTED APPLICATIONS															
	Pre 1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	Total
Total	482	52	118	177	199	172	144	162	161	127	132	105	59	24	2	2116
U.S. Origin	405	49	112	163	192	156	117	145	139	120	120	94	48	22	2	1884
Foreign Origin	77	3	6	14	7	16	27	17	22	7	12	11	11	2		232
JAPAN	9	1	3	10	6	12	19	16	16	6	10	8	8	2		126
UNITED KINGDOM	46	1		1	1	3	3					1				56
CANADA	4			1		1	3		3			1				13
GERMANY	7	1					1			1						10
NETHERLANDS	4		1	1				1					1			8
FRANCE	2								2		2					6
SWITZERLAND	2			1									2			5
INDIA			1						1			1				3
AUSTRALIA	2															2
ITALY			1				1									2
SWEDEN	1															1
Ownership:																
U.S. Corporations	152	12	22	38	25	28	23	25	30	36	35	37	19	7	1	490
U.S. Government	48	20	57	111	154	117	82	93	86	54	59	43	18	11	1	954
U.S. Individuals	214	17	34	16	16	14	16	28	25	31	26	14	13	4		468
Foreign Corporations	35	1	3	10	4	5	18	11	14	4	8	6	5	1		125
Foreign Government																0
Foreign Individuals	33	2	2	2		8	5	5	6	2	4	5	4	1		79

---- Patents Granted By Date Of Patent Application (Granted: Jan 01, 1977 - Dec 31, 1996) ----

	PERCENT OF PATENTED APPLICATIONS															
	Pre 1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	Total
Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
U.S. Origin	84	94	95	92	96	91	81	90	86	94	91	90	81	92	100	89
Foreign Origin	16	6	5	8	4	9	19	10	14	6	9	10	19	8		11
JAPAN	2	2	3	6	3	7	13	10	10	5	8	8	14	8		6
UNITED KINGDOM	10	2		1	1	2	2					1				3
CANADA	1			1		1	2		2			1				1
GERMANY	1	2					1			1						0
NETHERLANDS	1		1	1				1					2			0
FRANCE									1		2					0
SWITZERLAND				1									3			0
INDIA			1						1			1				0
AUSTRALIA																0
ITALY			1				1									0
SWEDEN																0
Ownership:																
U.S. Corporations	32	23	19	21	13	16	16	15	19	28	27	35	32	29	50	23
U.S. Government	10	38	48	63	77	68	57	57	53	43	45	41	31	46	50	45
U.S. Individuals	44	33	29	9	8	8	11	17	16	24	20	13	22	17		22
Foreign Corporations	7	2	3	6	2	3	13	7	9	3	6	6	8	4		6
Foreign Government																0
Foreign Individuals	7	4	2	1		5	3	3	4	2	3	5	7	4		4



## Part B

Ranked Listing of Organizations with Patent Grants

As Distributed By Year of Patent Grant

and As Distributed By Year of Patent Application

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 1996) ---- Ranked List of Organizations with 1 or More Patents ----

	Pre 1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL
UNITED STATES OF AMERICA, ARMY																
Patents By Year of Grant:	0	0	0	0	57	85	48	36	37	29	23	30	16	19	18	398
Patents By Year of Application:	5	5	21	40	79	50	32	42	29	24	35	26	9	0	1	398
UNITED STATES OF AMERICA, NAVY																
Patents By Year of Grant:	1	0	0	0	17	36	23	20	11	15	16	14	17	16	9	195
Patents By Year of Application:	7	3	14	21	36	24	12	18	17	17	10	8	4	4	0	195
UNITED STATES OF AMERICA, DEPARTMENT OF ENERGY																
Patents By Year of Grant:	3	0	0	0	24	17	16	18	17	20	8	10	6	5	0	144
Patents By Year of Application:	7	8	11	19	15	19	13	20	18	7	5	1	1	0	0	144
UNITED STATES OF AMERICA, AIR FORCE																
Patents By Year of Grant:	0	0	0	0	7	18	21	20	13	14	6	7	7	6	5	124
Patents By Year of Application:	0	3	10	11	19	23	20	7	10	5	5	6	3	2	0	124
SHELL OIL COMPANY																
Patents By Year of Grant:	8	0	0	0	0	3	7	6	4	6	8	10	12	12	13	89
Patents By Year of Application:	9	1	2	4	4	7	4	7	5	16	12	11	4	3	0	89
UNITED STATES OF AMERICA																
Patents By Year of Grant:	0	0	0	2	13	5	5	0	1	6	5	3	3	5	5	53
Patents By Year of Application:	1	1	1	18	3	0	2	4	10	1	4	2	1	5	0	53
AT&T CORP.																
Patents By Year of Grant:	7	0	0	2	15	2	4	2	2	1	0	3	1	0	0	39
Patents By Year of Application:	8	8	8	4	1	3	0	2	2	1	2	0	0	0	0	39
CATERPILLAR INC.																
Patents By Year of Grant:	24	0	0	0	0	1	0	0	0	2	0	4	1	3	0	35
Patents By Year of Application:	24	0	0	0	1	0	0	0	1	3	1	4	1	0	0	35
FUJI PHOTO FILM CO., LTD																
Patents By Year of Grant:	0	0	0	0	5	0	1	6	6	4	3	1	5	1	2	34
Patents By Year of Application:	0	1	0	5	1	0	10	7	1	2	4	1	2	0	0	34
E. I. DU PONT DE NEMOURS AND COMPANY																
Patents By Year of Grant:	9	0	0	0	5	2	2	1	1	1	1	2	2	2	1	29
Patents By Year of Application:	10	0	1	4	3	0	3	2	1	1	2	1	1	0	0	29
UNITED STATES OF AMERICA, TENNESSEE VALLEY AUTHORITY																
Patents By Year of Grant:	21	0	0	0	2	0	1	1	0	1	2	0	0	0	0	28
Patents By Year of Application:	21	0	0	2	1	1	1	2	0	0	0	0	0	0	0	28

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 1996) ---- Ranked List of Organizations with 1 or More Patents ----

	Pre 1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL
INTERNATIONAL BUSINESS MACHINES CORPORATION																
Patents By Year of Grant:	25	0	0	0	0	0	1	0	0	1	0	0	0	0	0	27
Patents By Year of Application:	26	0	0	0	0	0	0	1	0	0	0	0	0	0	0	27
IMPERIAL CHEMICAL INDUSTRIES PLC																
Patents By Year of Grant:	25	0	0	0	0	0	0	0	0	0	0	0	1	0	0	26
Patents By Year of Application:	25	0	0	0	0	0	0	0	0	0	1	0	0	0	0	26
KONICA CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	0	0	3	0	2	4	7	2	2	5	25
Patents By Year of Application:	0	0	0	0	0	2	1	1	11	1	3	2	3	1	0	25
A. E. STALEY MANUFACTURING COMPANY																
Patents By Year of Grant:	0	0	0	0	1	3	4	4	2	3	2	1	1	2	1	24
Patents By Year of Application:	0	0	1	6	1	2	4	2	4	0	3	0	1	0	0	24
EXXON PRODUCTION RESEARCH COMPANY																
Patents By Year of Grant:	0	0	0	0	0	0	0	1	1	0	0	3	5	2	4	16
Patents By Year of Application:	0	0	0	1	0	0	1	0	1	2	3	5	3	0	0	16
W. R. GRACE & CO.-CONN.																
Patents By Year of Grant:	0	0	0	1	2	5	2	0	2	0	2	1	0	0	0	15
Patents By Year of Application:	0	0	1	6	2	1	1	2	0	0	2	0	0	0	0	15
DOW CHEMICAL COMPANY																
Patents By Year of Grant:	0	0	0	0	0	1	1	0	0	0	1	1	0	4	1	9
Patents By Year of Application:	0	0	0	0	1	1	0	0	1	2	1	2	0	0	1	9
EASTMAN KODAK COMPANY																
Patents By Year of Grant:	5	0	0	0	1	0	0	0	0	0	1	1	0	0	1	9
Patents By Year of Application:	5	0	0	1	0	0	0	0	1	1	1	0	0	0	0	9
FMC CORPORATION																
Patents By Year of Grant:	3	0	0	0	2	1	0	0	1	1	0	1	0	0	0	9
Patents By Year of Application:	3	2	1	0	0	1	1	0	1	0	0	0	0	0	0	9
UNITED STATES OF AMERICA, DEPARTMENT OF AGRICULTURE																
Patents By Year of Grant:	7	0	0	0	0	1	0	0	0	0	1	0	0	0	0	9
Patents By Year of Application:	7	0	0	0	1	0	1	0	0	0	0	0	0	0	0	9
BRISTOL-MYERS SQUIBB COMPANY																
Patents By Year of Grant:	0	0	0	0	0	0	0	2	2	0	0	1	2	1	0	8
Patents By Year of Application:	0	0	1	0	1	1	2	0	1	0	1	1	0	0	0	8

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 1996) ---- Ranked List of Organizations with 1 or More Patents ----

	Pre 1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL
CONCO INC.																
Patents By Year of Grant:	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Patents By Year of Application:	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
HERCULES INCORPORATED																
Patents By Year of Grant:	3	1	0	0	0	0	0	0	0	0	1	1	1	0	1	8
Patents By Year of Application:	4	0	0	0	0	0	0	0	1	1	1	0	1	0	0	8
KIORITZ CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	3	1	1	1	1	0	0	0	1	0	8
Patents By Year of Application:	0	0	0	2	3	1	1	0	0	0	0	1	0	0	0	8
MEDTRONIC INC.																
Patents By Year of Grant:	0	0	0	0	2	1	1	0	0	0	1	0	1	1	0	7
Patents By Year of Application:	1	0	2	1	0	0	0	0	1	0	1	1	0	0	0	7
EXXON RESEARCH + ENGINEERING CO.																
Patents By Year of Grant:	0	0	0	0	0	2	1	1	2	0	0	0	0	0	0	6
Patents By Year of Application:	0	0	0	1	1	3	0	1	0	0	0	0	0	0	0	6
FIRESTONE TIRE & RUBBER CO.																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
GENERAL ELECTRIC COMPANY																
Patents By Year of Grant:	3	0	0	0	0	0	1	0	0	1	0	0	0	0	0	5
Patents By Year of Application:	4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	5
PROCTER + GAMBLE COMPANY																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	2	2	0	0	5
WESTINGHOUSE ELECTRIC CORP.																
Patents By Year of Grant:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Patents By Year of Application:	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
XEROX CORPORATION																
Patents By Year of Grant:	0	0	0	0	3	0	0	0	0	0	0	1	0	1	0	5
Patents By Year of Application:	0	1	2	0	0	0	0	0	0	2	0	0	0	0	0	5
ATLANTIC RICHFIELD COMPANY																
Patents By Year of Grant:	2	0	0	0	0	0	0	0	0	0	0	0	1	0	1	4
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	1	0	0	1	0	4

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 1996) ---- Ranked List of Organizations with 1 or More Patents ----

	Pre 1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL
CETUS CORPORATION																
Patents By Year of Grant:	0	0	0	0	1	1	1	0	0	0	0	1	0	0	0	4
Patents By Year of Application:	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	4
AMERICAN CYANAMID COMPANY																
Patents By Year of Grant:	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3
Patents By Year of Application:	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3
BEXFORD LIMITED																
Patents By Year of Grant:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Patents By Year of Application:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
CHRYSLER MOTORS CORPORATION																
Patents By Year of Grant:	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	3
Patents By Year of Application:	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	3
GILLETTE COMPANY																
Patents By Year of Grant:	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	3
Patents By Year of Application:	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	3
ISHIHARA SANGYO KAISHA LTD.																
Patents By Year of Grant:	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	3
Patents By Year of Application:	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	3
MI DRILLING FLUIDS COMPANY																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	3
Patents By Year of Application:	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	3
MINNESOTA MINING AND MANUFACTURING COMPANY																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	3
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	3
MOTOROLA, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	3
Patents By Year of Application:	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	3
NAVISTAR INTERNATIONAL TRANSPORTATION CORP.																
Patents By Year of Grant:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Patents By Year of Application:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
RHONE-POULENC INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 1996) ---- Ranked List of Organizations with 1 or More Patents ----

	Pre 1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL
SMITH INTERNATIONAL INC.																
Patents By Year of Grant:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	3
UNITED STATES OF AMERICA, HEALTH & HUMAN SERVICES																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	3
Patents By Year of Application:	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	3
ADVANCED NUCLEAR FUELS CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	2
Patents By Year of Application:	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
BEXFORD LIMITED IMPERIAL CHEMICAL HOUSE																
Patents By Year of Grant:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
FORD MOTOR COMPANY																
Patents By Year of Grant:	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2
KEARNEY + TRECKER CORPORATION																
Patents By Year of Grant:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
MALLINCKRODT, INC.																
Patents By Year of Grant:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
MITSUBISHI RAYON CO., LTD.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
Patents By Year of Application:	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
MOBIL OIL CORP.																
Patents By Year of Grant:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
NIPPONDENSO CO., LTD.																
Patents By Year of Grant:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
OTIS ENGINEERING CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	2
Patents By Year of Application:	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 1996) ---- Ranked List of Organizations with 1 or More Patents ----

	Pre 1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL
POLAROID CORPORATION																
Patents By Year of Grant:	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	2
Patents By Year of Application:	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2
RCA CORPORATION																
Patents By Year of Grant:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
RECOGNITION EQUIPMENT INCORPORATED																
Patents By Year of Grant:	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2
Patents By Year of Application:	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2
TEXACO CHEMICAL COMPANY																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	2
Patents By Year of Application:	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2
UNITED STATES BORAX + CHEMICAL CORPORATION																
Patents By Year of Grant:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Patents By Year of Application:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
VISKASE CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	2
Patents By Year of Application:	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	2
ALCAN ALUMINUM CORPORATION																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
ALLIED-SIGNAL INC.																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
ARCO CHEMICAL TECHNOLOGY, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
ARIMETCO, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
AUBURN UNIVERSITY																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1

[illegible]



---- Ranked List of Organizations with 1 or More Patents ----

[illegible]

(Granted: Jan 01, 1977 - Dec 31, 1996) ---- Ranked List of Organizations with 1 or More Patents ----

[illegible]

Ranked List of Organizations with 1 or More Patents ----

[illegible]

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 1996) ---- Ranked List of Organizations with 1 or More Patents ----

	Pre 1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL
MOORE BUSINESS FORMS INC.																
Patents By Year of Grant:	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
MORTON THIOKOL, INC.																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
NATIONAL SEMICONDUCTOR CORPORATION																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
NEW VENTURE GEAR, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
NGK SPARK PLUG CO., LTD.																
Patents By Year of Grant:	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
NIHON NOHYAKU CO. LTD.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
Patents By Year of Application:	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
NITTO BOSEKI CO., LTD.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
NORDSON CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
NORTON COMPANY																
Patents By Year of Grant:	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
NUTRASWEET COMPANY																
Patents By Year of Grant:	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
Patents By Year of Application:	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
OCCIDENTAL CHEMICAL CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 1996) ---- Ranked List of Organizations with 1 or More Patents ----

	Pre 1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL
OTIS ELEVATOR COMPANY																
Patents By Year of Grant:	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
Patents By Year of Application:	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
PALL CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
PENNSYLVANIA DEPARTMENT OF TRANSPORTATION																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
PPG INDUSTRIES INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
PROCESS LAB. MICRON CO., LTD.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
PULLMAN, INCORPORATED																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
QUANTUM CHEMICAL CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
R. J. REYNOLDS TOBACCO COMPANY																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
REYNOLDS METALS COMPANY																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
RHONE-POULENC AG COMPANY																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
RHONE-POULENC CHEMICALS LTD.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1

---- Organizational Patenting (Granted: Jan 01, 1977 - Dec 31, 1996) ---- Ranked List of Organizations with 1 or More Patents ----

	Pre 1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL
RHONE-POULENC RORER PHARMACEUTICALS INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
RHONE-POULENC SECTEUR AGROCHIMIE																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
RICHARD WOLF GMBH																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
RICHARDSON CHEMICAL COMPANY																
Patents By Year of Grant:	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
ROGERS CORPORATION																
Patents By Year of Grant:	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
SEAGATE TECHNOLOGY																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
SEMATECH, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
SHIONOGI + CO. LTD.																
Patents By Year of Grant:	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
SINCLAIR OIL CORPORATION																
Patents By Year of Grant:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
STANDARD OIL COMPANY																
Patents By Year of Grant:	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Patents By Year of Application:	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
TOKYO ROPE MANUFACTURING CO., LTD.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1

Ranked List of Organizations with 1 or More Patents ----

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